USER MANUAL

ATEQ VT 55

Version CAX-XX

www.ateq.com

Reference: UM-28500D-U

REVISION OF THE ATEQ VT55 MANUAL

Edition/ Revision	**Reference**	**Date** (week/year)	**Chapters updated**
First edition	UM-28500A-U	23/2007	-----
Second edition	UM-28500B-U	37/2007	Modification of the VT55 front face.
Third edition	UM-28500C-U	49/2007	Software evolution to the CA1-35 version.
Fourth edition	UM-28500D-U	44/2009	General up dating.

DECLARATION OF CE CONFORMITY 00

We the undersigned, **ATEQ**, manufacturers of the **ATEQ VT55** REF : **285.00** declare that it complies with the requirements of :

- LOW VOLTAGE Directive 93/68/CEE regarding :

  - standard EN 61 010-1 « Safety requirements for electrical equipment for measurement, control and laboratory use »,

- Directive CEM 89/336/CEE partially modified by Directive CEM 92/31/CEE regarding :

  - standard EN 50 081-2 « Industrial environment emission generic standard », except in the 95 MHz to 140 MHz range.
  - standard EN 50 082-2 « Industrial environment immunity generic standard »,
  - standard EN 61 000-4-2 « Test for immunity to electrostatic discharges »,
  - standard EN 61 000-4-3 « Test for immunity to electromagnetic fields radiated at radio frequencies »,

This enables **ATEQ** to guarantee that this instrument may be used in complete safety under the following environmental conditions :

- indoor use,
- altitude up to 3000 metres,
- ambient operating temperature from 5°C to 45 °C,
- 70 % maximum relative humidity without condensation,
- degree of pollution 2 as in CEI 664 (only non-conductive pollution. However a temporary conductivity caused by condensation may occasionally be expected).

Chairman and Managing Director.
Mr. Jacques MOUCHET

ATEQ

Tél. : +33 (0) 1 30 80 10 20 **- Fax : +33 (0)** 1 30 54 11 00

15, rue des Dames - 78340 LES CLAYES SOUS BOIS – France

www.ateq.com

PREFACE

Dear Customer,

You have just purchased an **ATEQ** instrument, we thank you for the trust you have placed on our brand. This instrument has been designed to ensure a long and unparalleled life expectancy, and we are convinced that it will give you complete satisfaction during many long years of operation.

In order to maximise the life expectancy and reliability of your **ATEQ** instrument, we recommend that you install this instrument on a secured workbench and advise you to consult this manual in order to familiarise yourself with the functions and capabilities of the instrument.

Our **ATEQ** After Sales Service centre can give you recommendations based on your specific operation requirements.

ATEQ

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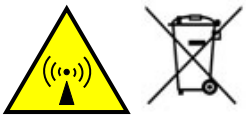
User guide
VT55



See appendices for the security, care, maintenance and recycling information.

1. VT55 DESCRIPTION

The purpose of the VT55 is to:

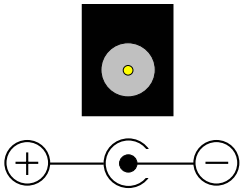
- Retrieve data from the tire pressure sensor.
- Verify the identities of each tire pressure sensor mounted on vehicle wheels.
- Assist a technician to reset TPM system on vehicle.
- Test the RKE signal strength.
- Possibility to transfer data into the vehicle ECU (OBD2 interface option).

The instrument interacts with the tire pressure sensor without contact through wireless communication.

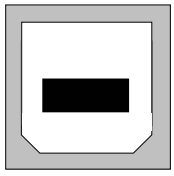
1.1. FRONT FACE

1.2. CONNECTORS

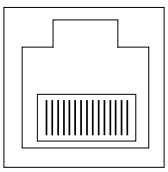
1.3. POWER SUPPLY CONNECTOR

	Power supply connection to the tool for charging the internal battery. The voltage of the charger is a 24 V DC.

1.4. USB CONNECTOR

	The USB connector allows software updates to be installed onto the tool.

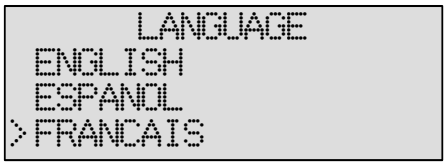
1.5. RJ45 CONNECTOR

	The RJ45 connector allows to connect the option OBD interface.

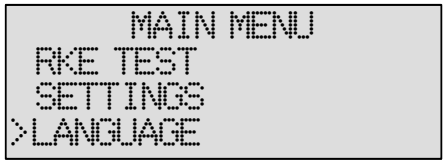
2. LANGUAGES

Several languages are available. If the displayed is not suitable, press the key repeatedly until the menu **LANGUAGE** appears.

Then by using the or keys, choose the suitable menu's language and validate with the key. Languages

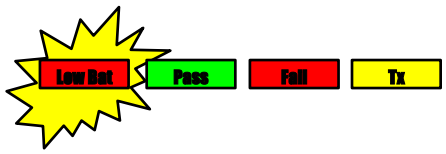
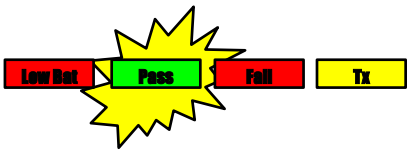
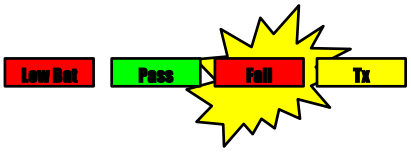
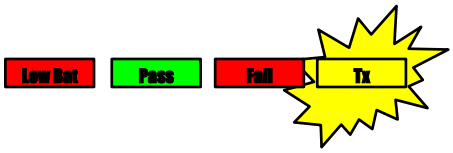


The **LANGUAGE** menu is also available from the main menu, below the **SETTINGS** menu.



3. LIGHT INDICATORS

Four lights placed under the LCD display indicate the status of the instrument and the results of the measurement.

	Low Bat	**Battery level light:** When this light is on the battery level is low. Connect the power supply to charge the battery.
	Pass	**Pass test light:** When this light is on the tool has correctly received the information from the sensor or the remote keyless entry unit.
	Fail	**Fail test light:** When this light is on the tool has not received the information from the sensor or the remote keyless entry unit.
	Tx	**Transmission light:** When this light is flashing the tool is currently transmitting a signal to activate a sensor. ***Note:*** *light may illuminate continuously and will not always flash.*

Charge indicator on the bottom of the front face:

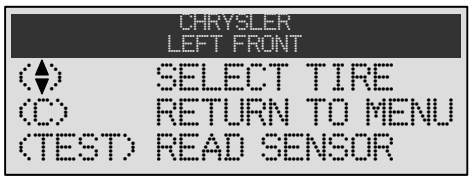
Charge	**Battery charging light:** When this red light is on the power supply is currently charging the tool. When this light switches off the tool battery is filled.

4. KEYS

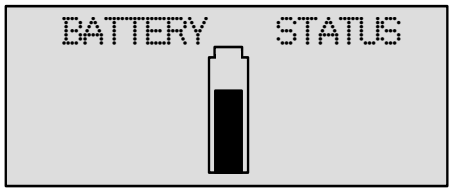
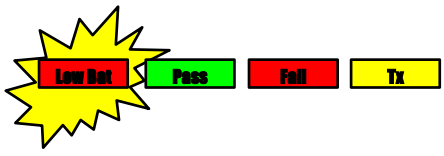
4.1. POWER ON KEY

KEY	FUNCTION
	First function: **Power on** and **Power off**: when off press this key to power on the tool. When on press and hold this key more than 3 seconds to power off the tool. **Second function**: Indicates the **battery level**. Press and hold to see the battery status (less than 3 seconds).

4.1.1. First function

At power on, it displays the **ATEQ** logo.	
Then it displays the software revision number.	
And after it displays the test menu with the last tested vehicle, press one time to return to the brand selection menu or two times to return to the main menu.	

4.1.2. Second function

When the instrument is on, keep pressing this key and the battery level is displayed (less than 3 seconds).	
When the "**LOW BATT**" light flashes the instrument will turn off. Connect the power supply to charge the battery.	

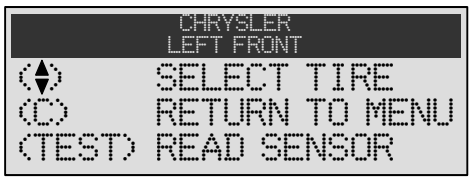
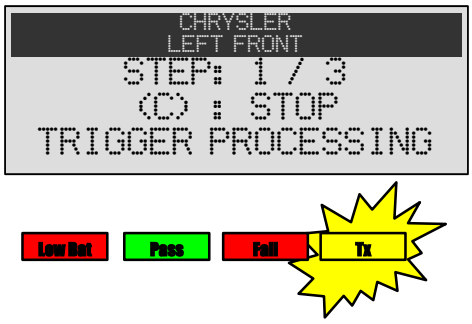
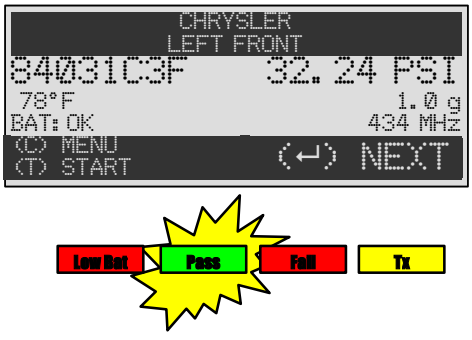
4.2. CANCEL KEY

KEY	FUNCTION
	"**C**" for **CANCEL** returns to the previous menu or function without modifying a parameter.

4.3. CYCLE KEY

KEY	FUNCTION
	Starts the acquisition cycle for a sensor.

4.3.1. Measurement

When the instrument is ready, press the acquisition key.	
During the test cycle, the message "**TRIGGER PROCESSING**" is displayed, and the "**Tx**" light will illuminate.	
After a few seconds, the instrument vibrates and the sensor data is displayed.	

4.4. NAVIGATIONS KEYS

KEY	FUNCTION
	Navigation through menu or adjust a parameter “**up**”, scroll **up** or **increase** numerical values or change the wheel location.
	Navigation through menu or adjust a parameter “**down**”, scroll **down** or **decrease** numerical values or change the wheel location.

4.5. VALIDATION KEY

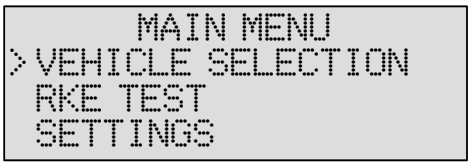
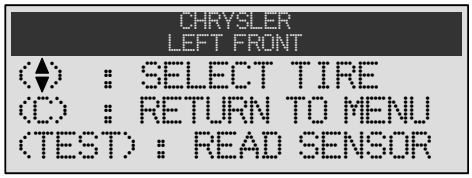
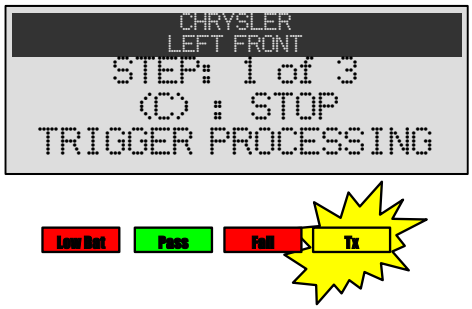
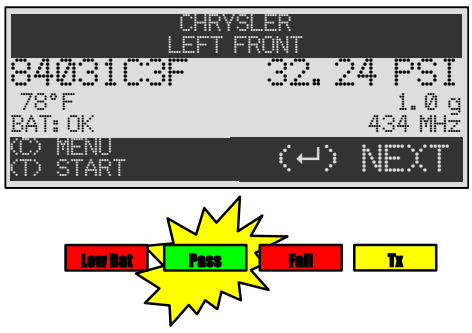
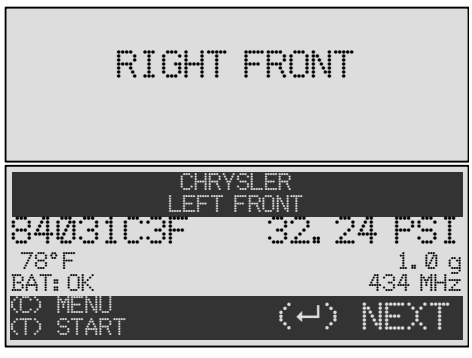
KEY	FUNCTION
	Press the **ENTER** key to open a menu, enter a parameter and confirm a parameter.

4.6. KEY PAD SUMMARY

	Power on or off and battery status.		Test key, to force a test cycle.
	Navigation through menu or adjust a parameter “**up**”.		Selection key, **press** to enter the chosen function or validate a parameter.
	Navigation through menu or adjust a parameter “**down**”.		Cancel key, **return** to the previous menu or function without parameter validation or stop the current test.

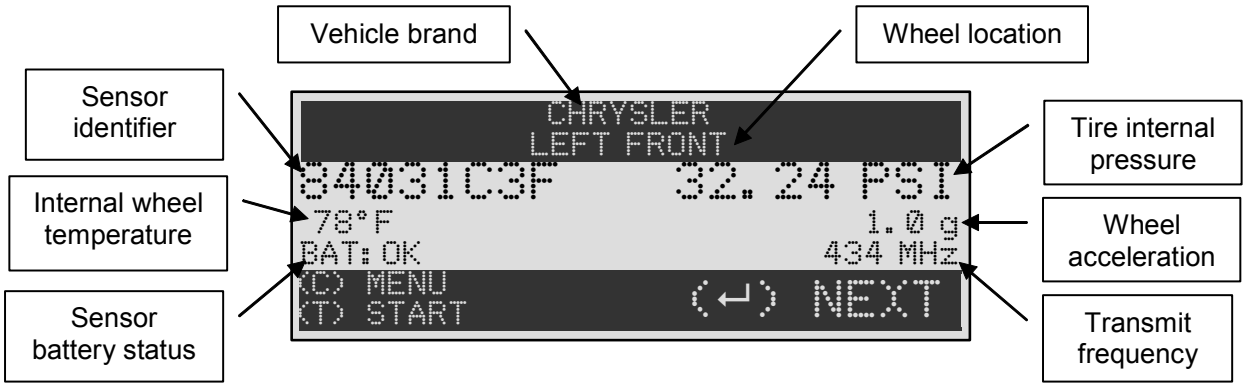
5. TESTING A TPM SENSOR

5.1. LAUNCH A TEST

Step 1 – From the main menu, select the "**VEHICLE SELECTION**" menu and validate with the ↵ key.	
Step 2 – Select the vehicle brand by using the ▲ or ▼ keys and validate with the ↵ key.	
Step 3 – Select the wheel location by using the ▲ or ▼ keys.	
Step 4 - Hold the tool with in a few inches from the TPM sensor and press the TEST button. The tool will begin to transmit some frames and search step by step between the several sensors types of the selected brand.	
Step 6 – The tool will vibrate after receiving the sensor information. The tool will store the sensor results and will display the sensor ID, pressure, and sensor state of the sensor that is triggered. If the tool does not receive the correct information, the fail LED will illuminate and you can restart the trigger sequence by pressing the TEST button again.	
Step 7 – Several options: ↵ button to select the next wheel, TEST button to test again the same wheel or C key to return to the main menu.	

5.2. RESULTS EXPLANATION

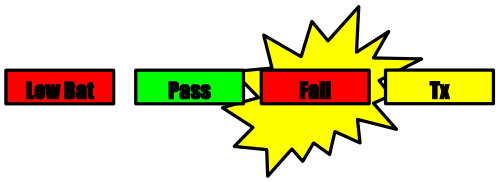
The picture below is an example of a sensor data communication result:



***Warning**: depending on sensor model, the information contained in this screen may vary.*

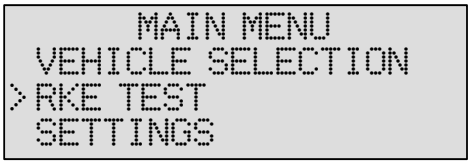
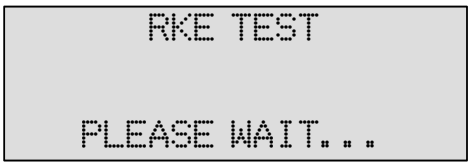
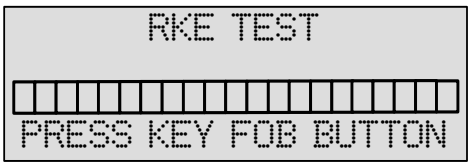
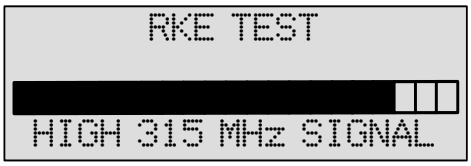
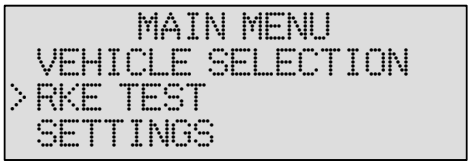
5.3. NO SENSOR RESPONSE

If the instrument doesn't receive any information from the sensor, or if the sensor is not compatible with the parameters, after a time out the instrument stops its cycle, the message "**No sensor detected**" is displayed and the "**Fail**" light is on.

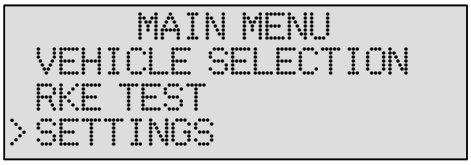
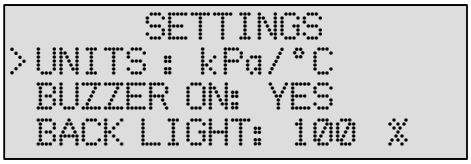
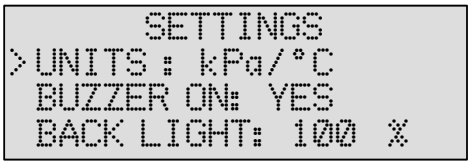
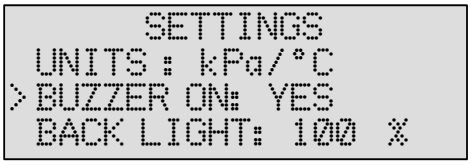
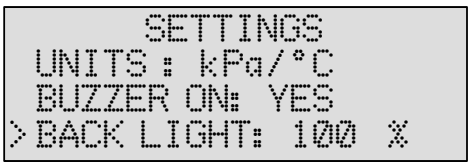
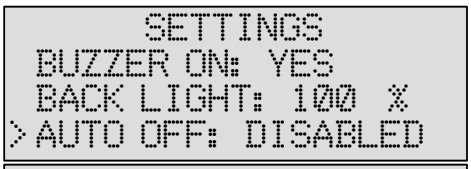
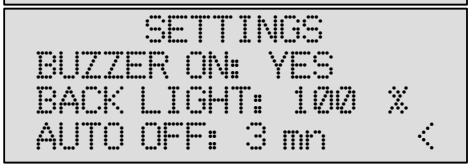
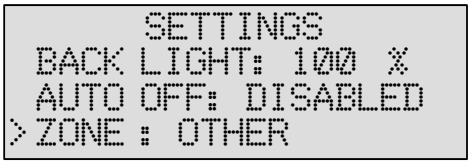


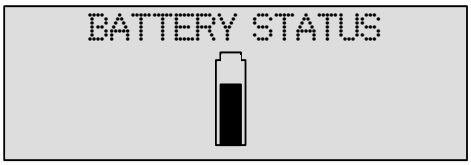
6. TESTING A REMOTE KEYLESS ENTRY

This is to test the signal strength (RF) emitted by a remote keyless entry.

Step 1 - Select the "**RKE TEST**" mode in the main menu with the ▲ or ▼ keys and validate with the ↵ key.	
Step 2 - The tool prompts you to select the car brand remote key to test and validate with the ↵ key.	
Step 3 - Wait a few seconds until a horizontal bar is displayed.	
Step 4 – When the horizontal bar and the message "**Press key fob button**" are displayed hold the Key fob approximately 3 to 6 inches from the nose (antenna) of the **VT55**. (Press any button on the key fob).	
Step 5 - The intensity of the **RF** signal force is indicated on the scale of the horizontal bar. The greater the RF signal power, the greater the horizontal bar is filled.	
Step 6 - Press the C button to return to the main menu.	

7. SETTING ADJUSTMENT FOR VT55

Step 1 – press the select button on settings in the main menu.	
Step 2 – Press the **up** or **down** keys until you are ready to select the feature you would like to adjust.	
➢ **Units:** User can change the unit of result display among kPa and ° C or PSI and ° F.	
➢ **Buzzer on:** The user can select if the tool is vibrating after receiving the sensor information.	
➢ **Back light:** The user can adjust the light intensity of the display. The back light increases the battery consumption.	
➢ **Auto Off:** The VT55 tool will turn off automatically after a preset number of minutes since the tool has been last used. This feature can be disabled.	 
➢ **Zone:** User can change the choice between: America, Europe, Asia and others.	

➢ **Battery Level:** press and hold the key to check the battery status.	

8. PARAMETERS SETTING

8.1. PRESSURE UNIT

This parameter allows the operator to choose the pressure unit displayed by the instrument.

8.1.1. You have a choice among kPa/°C or PSI/°F.

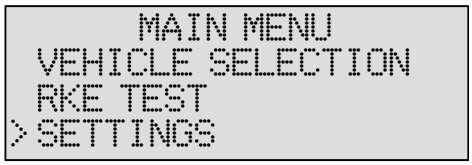
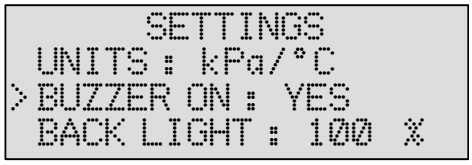
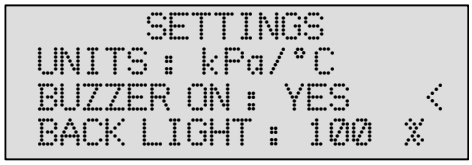
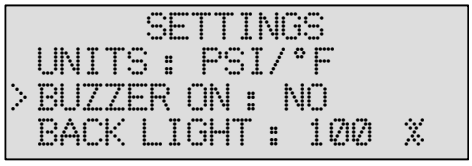
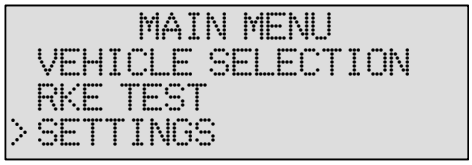
From the main menu, access to the settings menu by pressing the ↵ key.	MAIN MENU VEHICLE SELECTION RKE TEST >SETTINGS
Select **UNITS** menu and confirm with the ↵ key.	SETTINGS >UNITS : kPa/°C BUZZER ON : YES BACK LIGHT : 100 %
Move the cursor in front of the unit to use by using the up and down arrows ▲ ▼ and confirm with ↵ Key.	UNITS SELECTION kPa/°C >PSI/°F
The new units are selected.	SETTINGS >UNITS : PSI/°F BUZZER ON : YES BACK LIGHT : 100 %
Return to the main menu by pressing the C key.	MAIN MENU VEHICLE SELECTION RKE TEST >SETTINGS

***Note**: Depending on the selected zone, the units automatically adapt. It's possible to change according to user preferences.*

8.2. BUZZER

This parameter allows the user to select if the tool will vibrate after receiving the sensor information.

You have a choice among **YES** or **NO**.

From the main menu, access to the settings menu by pressing the key.	
Select **BUZZER** menu and confirm with the key (the cursor goes on the right side).	
Select **YES** or **NO** by using the up and down arrows and confirm with Key (the cursor return to the left side).	
The new option is selected.	
Return to the main menu by pressing the key.	

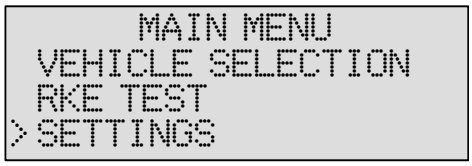
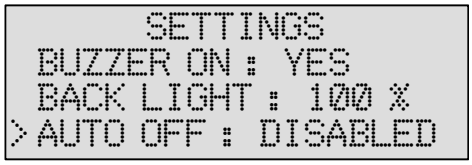
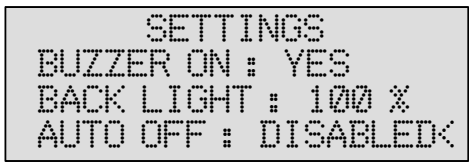
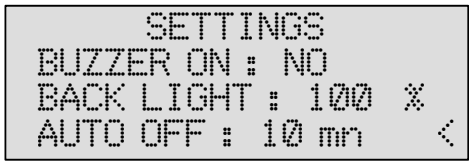
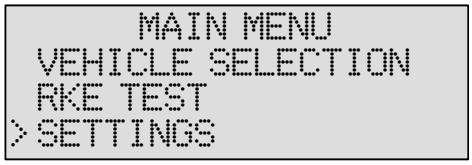
8.3. BACK LIGHT

The "**BACK LIGHT**" function allows the user to adjust the light intensity of the display. The back light increases the battery consumption.

Step 1 - Select the "**SETTINGS**" menu by using the ▲ and ▼ keys and press the ↵ key.	MAIN MENU VEHICLE SELECTION RKE TEST >SETTINGS
Step 2 - Select the "**BACK LIGHT**" parameter and press the ↵ key.	SETTINGS UNITS : kPa/°C BUZZER ON : YES >BACK LIGHT : 100 %
Step 3 - The cursor position moves to the right of the screen and by using the ▲ and ▼ keys, adjust the back light intensity. Choose between 1 to 100 percent in 1 percent increments and then press the ↵ key.	SETTINGS UNITS : kPa/°C BUZZER ON : YES BACK LIGHT : 70 % <
Step 4 - Press the C button to return to the main menu.	MAIN MENU VEHICLE SELECTION RKE TEST >SETTINGS

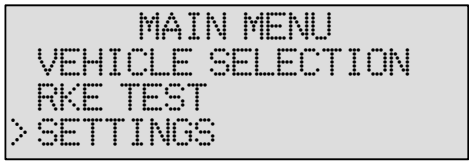
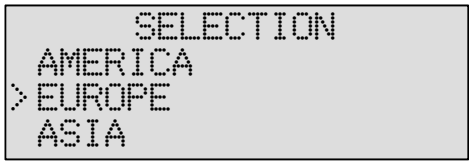
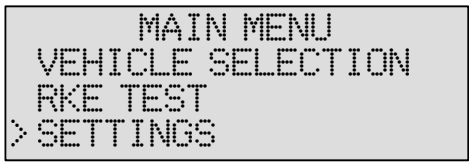
8.4. AUTO OFF PARAMETER

This function is used to turn off the instrument after a programmed time without use. The programmed time is between 1 and 60 minutes or never.

From the main menu, access to the settings menu by pressing the key.	
Select **AUTO OFF** menu and confirm with the key (the cursor goes on the right side).	
Configure a new timing for the auto off by using the up and down arrows and confirm with Key (the cursor return to the left side).	
The new timing is validated. ***Note**: to have a disable **AUTO OFF** function, configure the timing under 1 minute then **DISABLE** is displayed.*	
Return to the main menu by pressing the key.	

8.5. ZONE

The parameter "**ZONE**" allows the user to select the geographic location of the vehicles being tested.

Step 1 - Select the "**SETTINGS**" menu by using the and keys and press the key.	
Step 2 - Select the "**COUNTRY**" parameter and press the key.	
Step 3 - Then select the region between **AMERICA, EUROPE, ASIA** or **OTHER**.	
Step 4 - Press the button to return to the main menu.	

9. FEATURES

9.1. RADIO FREQUENCIES

The awakening transmission frequency is: 125 kHz (LF).

The reception frequencies are: 433 MHz and/or 315 MHz (VHF) following the geographic zones.

9.2. TYPE OF SENSOR

This instrument is designed and can be used for the measurement of any requested sensors.

10. OBD TRANSFER (OPTION)

10.1. PRESENTATION

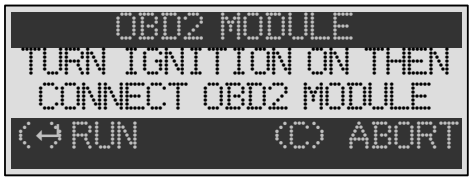
The information captured by the tool can be transferred to the vehicle **ECU*** (option with the **OBD** interface).

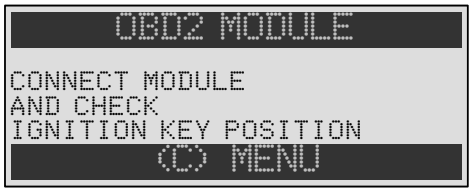
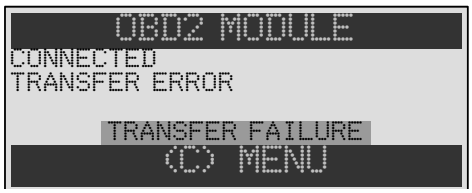
The **VT55** device with **OBD** operation is supplied in option with an **OBD** interface.

***ECU = Engine Control Unit.**

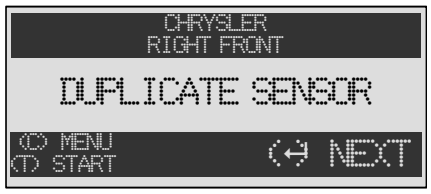
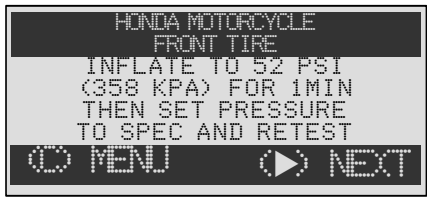
10.2. OPERATION

First, start the acquisition of the four wheels sensors of the car (see paragraph 4 “Testing a TPM sensor”).

Tthe detection is automatic at the connection of the **OBD2** module to the **VT55** device. The OBD2 module menu is displayed. When this message appears, turn on the vehicle ignition key.	
 Connect the **OBD2** module to the vehicle **ECU** connector then confirm with Key.	
The device is connecting to the **ECU**.	
Transmit the data in the **ECU**.	
When the transfer is carried out, the message **SUCCESSFUL TRANSFER** is displayed, the new sensors data are correctly transferred. Turn the ignition key off and disconnect the **OBD2** module from the vehicle.	

If the connection is fail or if the ignition key is not turned on this message appears.	
If there a failure in the data transfer, the message **TRANSFER FAILURE** appears, check the connections and try again from acquisition of the four wheels sensors data.	

11. ERROR MESSAGES

NO SENSOR DETECTED Il n'y a eu aucune information de retour de la valve. **Actions:** 1) Try again the test and modify the position of the device on the wheel. 2) Check the vehicle brand and the selected zone. 3) Change the sensor by a new one.	
DUPLICATE SENSOR The detected sensor is still recorded for another wheel. **Actions:** 1) Test another wheel.	
INFLATE TO 52 PSI… Only available for Honda motorcycles, is sensor is not detected. **Actions:** 1) Follow the instructions displayed and test again. 2) Change the sensor by a new one.	

12. TROUBLESHOUTINGS AND SOLUTIONS

Troubleshooting	Possible cause and solution
My device does not switch on.	**1)** The battery is empty. Charge completely the battery and try again. **2)** If it doesn't start after charging, contact **ATEQ** after sales service.
My device doesn't detect sensor or no information returns from the sensor.	**1)** The car brand selected is a wrong one. Check the car brand selected in the device, it must be the same than the controlled car. **2)** The selected zone is not the same of the car origin. Check the configured zone in the device, if it not the right one, it won't be the right communication frequency. **3)** No sensors in he wheels. Check the presence of sensors in the wheels. **4)** The sensor is out of services, change it.
The brand doesn't exist in my device, I can't run a control.	**1)** The device is not updated. Possibility of later up date, check with the **WebVT** software for updates.
My device can't be updated.	**1)** The subscription date is expired. Check the subscription date validation, if the date is expired, you may get a new subscription. **2)** Check Internet connection.
My device doesn't communicate with my PC.	**1)** A wrong communication port is selected. Check the communication port for the USB wire.
My device won't transfer the data to the **ECU**.	**1)** The communication is not right. Check the connection of the **OBD2** module to the car connector. **2)** The **ECU** is not switched on. Check the position of the ignition key that must be on.

13. PROGRAM AND DRIVERS INSTALLATION

For this device, the connections for update are carried out by the **USB** connector.

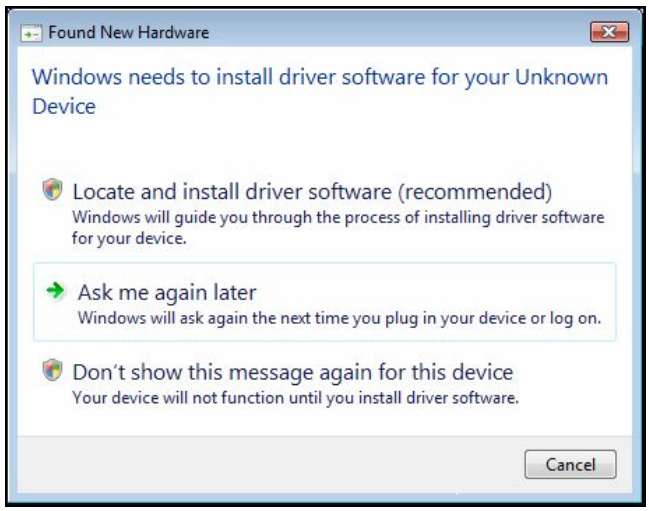
13.1. INSTALLATION UNDER WINDOWS© VISTA

1) Please insert the CD that was provided with the **VT55**.

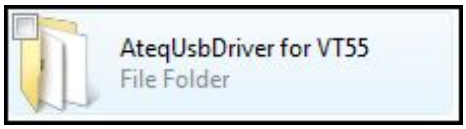
2) Connect the **USB** wire to the **USB** connector of your PC and **VT55**.

3) Then turn on the instrument.

4) The following window will appear. Click the "**Cancel**" button in the bottom right corner of the screen.

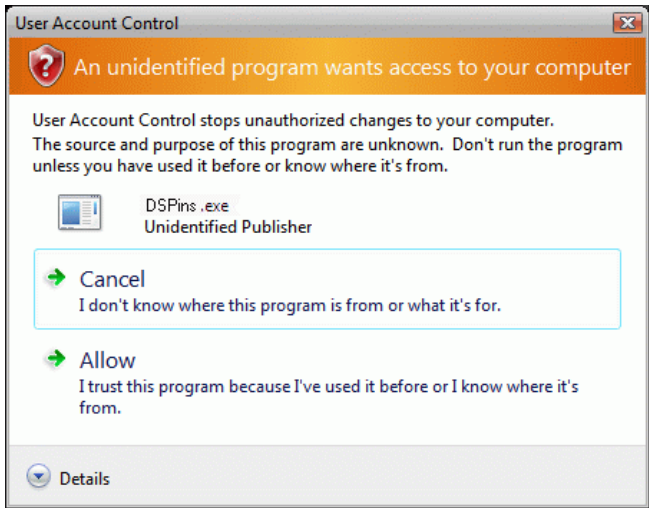

Found New Hardware
Windows needs to install driver software for your Unknown Device
Locate and install driver software (recommended)
Windows will guide you through the process of installing driver software for your device.
Ask me again later
Windows will ask again the next time you plug in your device or log on.
Don't show this message again for this device
Your device will not function until you install driver software.
Cancel

5) In the CD drive, open the file "**AteqUsbDriver for VT55**".



6) The following screen will appear. Depending on your operating system, open the file for "**XP**" or "**VISTA**". For **XP** see paragraph 13.2.

7) Using "**VISTA**" file as an example, the following window may appear. Select "**Allow**".


User Account Control
An unidentified program wants access to your computer
User Account Control stops unauthorized changes to your computer.
The source and purpose of this program are unknown. Don't run the program unless you have used it before or know where it's from.
DSPins .exe
Unidentified Publisher
Cancel
I don't know where this program is from or what it's for.
Allow
I trust this program because I've used it before or I know where it's from.
Details

8) The following window will appear, click "**Next >**" to continue and follow the onscreen instructions to complete.

Serial emulation port Installer for VISTA Ver:1.00
Welcome to the serial emulation port driver Installer.
This wizard will walk you through updating the drivers.
Connect your device to USB port now !
ATEQ
www.ateq.com
To continue, click Next.
< Back
Next >
Cancel

9) Click "**Install driver software anyway**" if this appears.

Windows Security
Windows can't verify the publisher of this driver software
Don't install this driver software
You should check your manufacturer's website for updated driver software for your device.
Install this driver software anyway
Only install driver software obtained from your manufacturer's website or disc. Unsigned software from other sources may harm your computer or steal information.
See details

10) When the drivers are successfully installed, the following window will appear. Click "**Finish**".

Serial emulation port Installer for VISTA Ver:1.00
Congratulations! You are finished installing driver.
The drivers were successfully installed on this computer.
You can now connect your device to this computer. If your device came with instructions, please read them first.
ATEQ
www.ateq.com
Driver Name
Status
ATEQ S.A (usbser) Ports ...
Ready to use
< Back
Finish
Cancel

13.2. INSTALLATION UNDER WINDOWS© XP

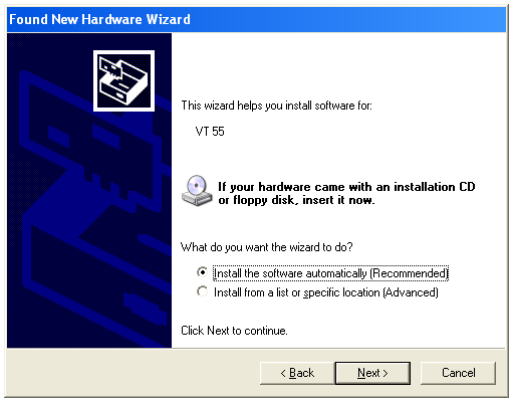
1) Connect the **USB** wire to the **USB** connector of your **PC** and on the **VT55** device.

2) Switch on the device.

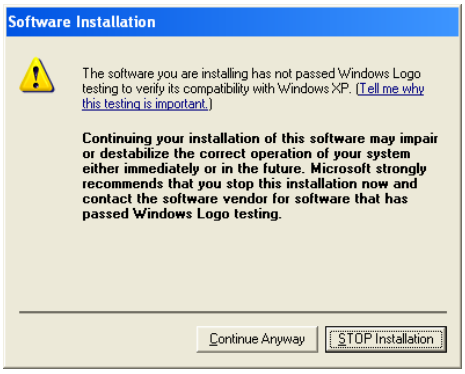
3) The following window appears, select "**No, not this time**" and click on the "**Next >**" button.

Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
Windows will search for current and updated software by looking on your computer, on the hardware installation CD, or on the Windows Update Web site (with your permission).
Read our privacy policy
Can Windows connect to Windows Update to search for software?
Yes, this time only
Yes, now and every time I connect a device
No, not this time
Click Next to continue.
< Back
Next >
Cancel

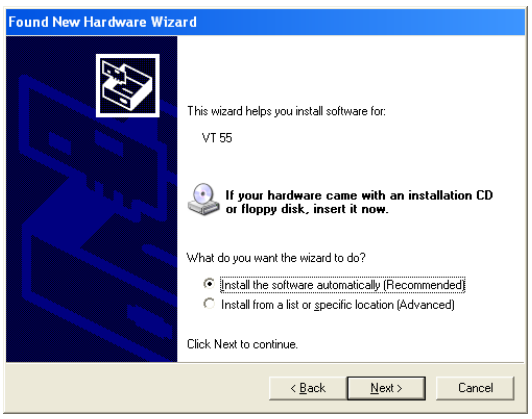
4) Select the "**Install the software automatically (recommended)**" option and click on the "**Next >**" button.


Found New Hardware Wizard
This wizard helps you install software for:
VT 55
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel

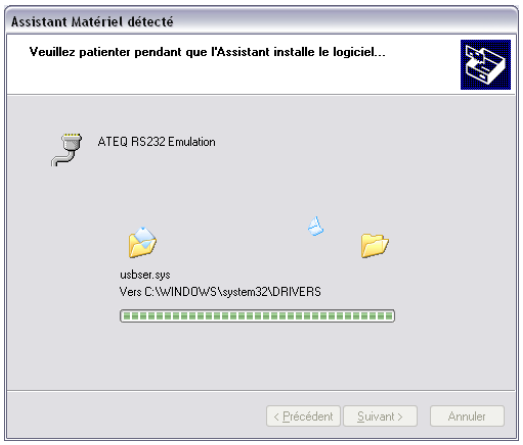
5) When this window appears, click on the "**Continue anyway**" button.


Software Installation
The software you are installing has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)
Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the software vendor for software that has passed Windows Logo testing.
Continue Anyway
STOP Installation

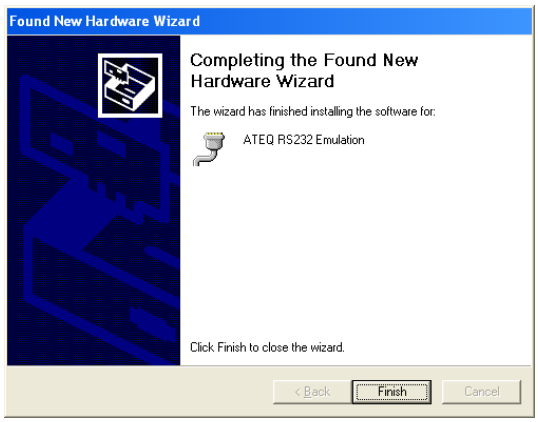
6) Please insert the CD that was provided with the **VT55**.


Found New Hardware Wizard
This wizard helps you install software for:
VT 55
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel

8) Then drivers are installed.



9) Congratulations, the **VT55** device is ready to be updated. Click on the "**Finish**" button.

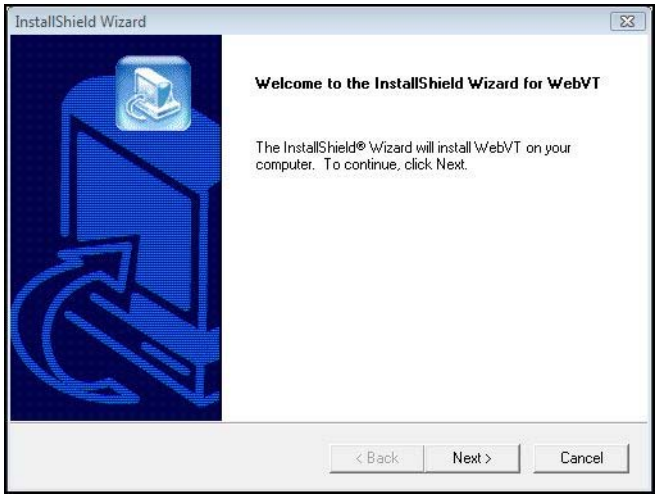


14. UP DATING VT55 PROGRAM INSTALL AND USE

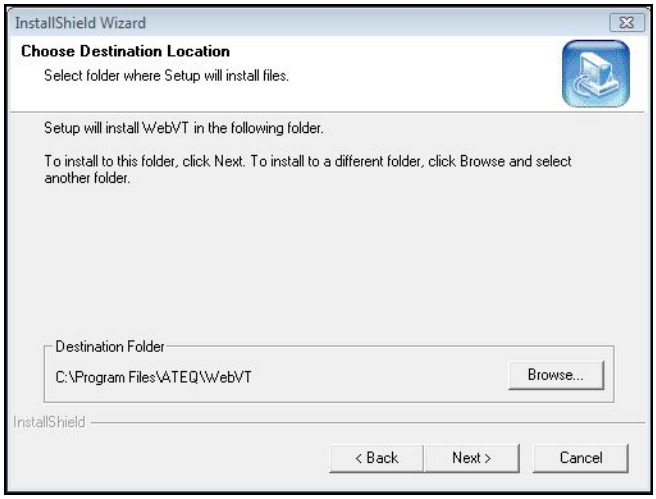
14.1. UP DATINGVT55 PROGRAM INSTALLATION

Insert the CD, supplied with instrument, into the PC drive and click on the **WebVT** icon to start the program.

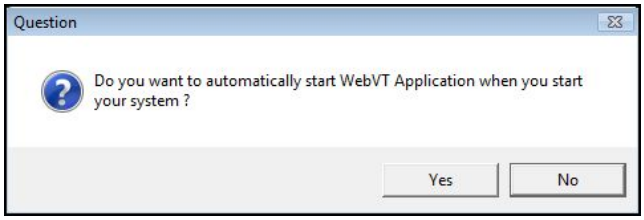
The following screen will appear. Click "**Next >**"


InstallShield Wizard
Welcome to the InstallShield Wizard for WebVT
The InstallShield® Wizard will install WebVT on your computer. To continue, click Next.
< Back
Next >
Cancel

The following window will appear, please select the location you would like to save the program. Click "**Next >**".


InstallShield Wizard
Choose Destination Location
Select folder where Setup will install files.
Setup will install WebVT in the following folder.
To install to this folder, click Next. To install to a different folder, click Browse and select another folder.
Destination Folder
C:\Program Files\ATEQ\WebVT
Browse...
InstallShield
< Back
Next >
Cancel

Click "**Yes**" when this window appears.



Click "**Finish**" when the **WebVT** installation is complete.

14.2. UP DATING VT55 PROGRAM USE

1) To start the **VT55** update program double click on the "**WEB VT55**" icon.

2) The icon appears on the task bar to indicate that the program is running and waiting for a **VT55** connection.

3) Connect a **VT55** to the **PC**, switch it on. When connected the following screen appears.

Reminder: to run the updating software it's important to have a valid Internet connection.

The serial number and the software version of the current **VT55** are displayed.

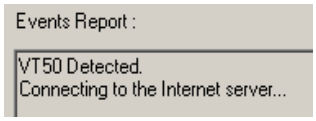
In the "**Events report**" window are displayed all the events information.

If the **VT55** is not detected, go to the **step 9**.

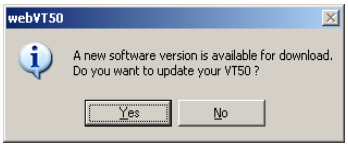
4) To know if a new version of software of the **VT55** is available, click on the "**UPDATE VT55**"

button.

Then the software is connecting to internet server to check for an update.



If a new software version is available, this message appears.

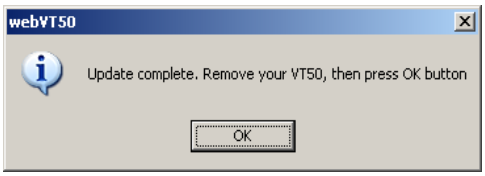


5) To update the tool. Click on the "**OK**" button.

The left hand progress bar is the web download, the right one is the **VT55** upload.

Please **DO NOT DISCONNECT** the **VT55** during these steps; this can cause tool failure.

When the transfer is finished, the following message is displayed:

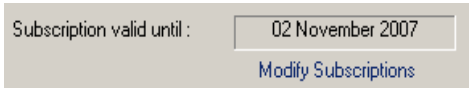


6) The **VT55** is updated, remove the instrument and press the "**OK**" button.

The "**HIDE**" button allows you to hide the software and keep it on the Windows© task bar, when a new **VT55** is connected, the software starts automatically.

The "**EXIT**" button allows you to quit the software program.

7) The date subscription validation is displayed:



The **VT55** can be updated for no additional fee for 1 year. The subscription period begins from the first time you try to update the instrument.

If the subscription is not available or if the date is expired, it's possible to get a new subscription on line by clicking on: "**Modify subscription**" link.

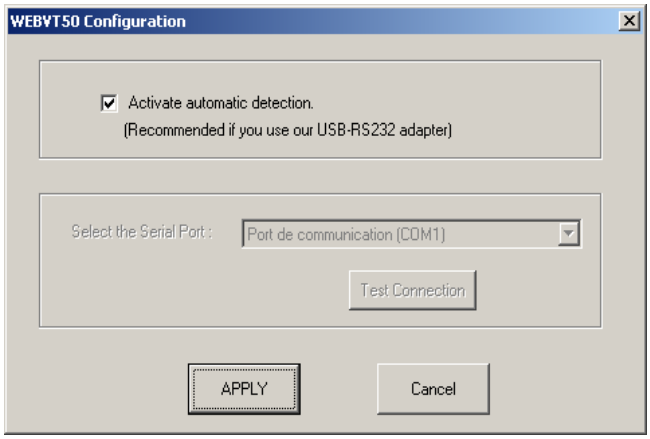
8) Follow the instructions displayed.

14.3. DEVICE NOT DETECTED

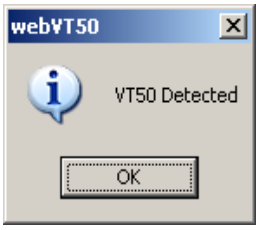
If the **VT55** is not detected the following message appears:

The software by default is configured on automatic search device.

Click on the Configure key. The configuration menu appears. Check that the automatic mode is selected and the **COM3** port (ATEQ RS232 Emulation) is selected too.



Test the connection by pressing the Test Connection key. If the connection is **OK**, this message appears.



Appendices
ATEQ VT55

1. TECHNICAL CHARACTERISTICS

	VT 55
Case dimensions H x L x P (mm) :	152 x 82 x 34 (184 x 82 x 34 with antenna)
Power supply:	24 V DC power supply
Battery:	Rechargeable Lithium-Ion Battery
Autonomy:	About **8 hours** following standard use and about **3 hours** following intensive use.
Charging time:	Complete charge about 90 minutes maximum (no use during the charge).
Electrical connections:	RS232 or USB
Display:	4 lines L.C.D. 65 mm x 32 mm
Weight (kg)**:**	About 310 g.
Temperatures:	
Operational:	+ 5°C to + 45°C
Storage:	0°C to + 60 °C
Relative humidity:	70 to 80 %

2. SECURITY, CARE AND RECYCLING

2.1. SECURITY

This device is a radio transmitter and receiver.

	SWITCH ON SAFELY Do not switch on the device when wireless tool is prohibited or when it may cause interference or danger.
	SWITCH OFF WHEN REFUELLING Do not use the device at a refuelling point. Do not use near fuel or chemicals.
	SWITCH OFF NEAR BLASTING Follow any restrictions. Do not use the device where blasting is in progress.
	USE SENSIBLY Use only in the normal position as explained in the product documentation. Do not touch the antenna unnecessarily.
	QUALIFIED SERVICE Only qualified personnel may install or repair this device.
	EHANCEMENTS AND BATTERIES Use only approved enhancements and batteries. Do not connect incompatible products.
	WATER-RESISTANCE The device is not water-resistant. Keep it dry.
	CONNECTING TO OTHER DEVICES When connecting to any other device, read its user guide for detailed safety instructions. Do not connect incompatible products.

2.2. CARE AND MAINTENANCE

This device is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you protect your warranty coverage

- Keep the device dry. Precipitations, humidity and all types of liquids or moisture can contain minerals that will corrode electronic circuits. If your device does get wet, remove the battery and allow the device to dry completely before replacing it.
- Do not use or store the device in dusty, dirty areas. Its electronic components can be damage.
- Do not store the device in hot areas. High temperatures can shorten the life of electronic devices, damage batteries and warp or melt certain plastics.
- Do not store the device in cold areas. When the device returns to its normal temperature, moisture can form inside the device and damage electronic circuit boards.
- Do not attempt to open the device other than instructed in this guide.
- Do not drop, knock or shake the device. Rough handling can break internal circuit boards and fine mechanics.
- Do not use harsh chemicals, cleaning solvent or strong detergent to clean the device.
- Do not paint the device. Paint can clog the moving parts and prevent proper operation.
- Do not touch the main display with hard or angular materials. Objects like earrings or jewellery may scratch the display.
- Use a soft, clean, dry cloth to clean the device.
- Use only the supplied antenna. Unauthorized antennas, modifications or attachments could damage the device and may violate regulations governing radio devices.

All of the above suggestions apply equally to your device, battery or any enhancements. If any device is not working properly, take it the nearest ATEQ service facility for service.

2.3. CERTIFICATION INFORMATION (SAR)

This device meets guidelines for exposure to radio waves.

This device is a radio transmitter and receiver. It is designed not to exceed the limits for exposure to radio waves recommended by international guidelines. These guidelines were developed by the independent scientific organization ICNIRP and include safety margins designed to assure the protection off all persons, regardless of age and health.

For further information see ICNIRP "guidelines for limiting exposure to time-varying electric, magnetic and electromagnetic fields (up to 300 GHz)" or contact ATEQ.

The SAR value for this device is less than 5A/m. This value is the reference level for general public exposure to time varying electric and magnetic fields (unperturbed rms values) for the 3 – 150 kHz frequency range.

2.4. SAFETY INFORMATIONS

Your device and its enhancements may contain small part. Keep them out of the reach of small children.

Operating environment

Remember to follow any special regulations in force in any area, and always switch off your device when its use is prohibited or when it may cause interference or danger. Use the device only in its normal operating positions.

Potentially explosive environments

Switch of the device in any area with a potentially explosive atmosphere and obey all signs and instructions. Potentially explosives atmospheres include areas where you would normally be advised to turn of vehicles engines. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Switch of the device at refuelling points such as near gas pumps at service stations. Observe restrictions on the use of radio equipments in fuel depots, storage, and distribution areas; chemicals plants; or where blasting operation are in progress. Areas with potentially explosive atmosphere are often but not always clearly marked. They included chemicals transfer or storage facilities, vehicle using liquefied petroleum gas (such as butane or propane), and areas where the air contains chemicals or particles such as grain, dust or metal powders.

About Charging

Use only the charger supplied with your device. Use of another type of charger will result in malfunction and/or danger.

Use a specified battery in the equipment.

About the Charger

Do not use the charger in a high moisture environment. Never touch the charger when your hands or feet are wet.

Allow adequate ventilation around the charger when using it to operate the device or charge the battery. Do not cover the charger with paper or other objects that will reduce cooling. Do not use the charger while it is inside a carrying case.

Connect the charger to a proper power source. The voltage requirements are found on the product case and/or packaging.

Do not use the charger if the cord becomes damaged.

Do not attempt to service the unit. There are no serviceable parts inside. Replace the unit if it is damaged or exposed to excess moisture.

About the Battery

CAUTION*: This unit contains an internal Lithium Ion battery, it is replaceable only by the competent ATEQ personnel. The battery can burst or explode, releasing hazardous chemicals. To reduce the risk of fire or burns, do not disassemble, crush, puncture, or dispose of in fire or water, do not short-circuit or connect the contacts with a metal object.*

Use a specified charger approved by the ATEQ manufacturer.

Important instructions (for service personnel only)

CAUTION*: Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.*

Replace only with the same or equivalent type recommended by the manufacturer.

Use the battery only in the specified equipment.

The battery must be recycled or disposed of properly.

2.5. RECYCLING

Do not dispose of the rechargeable Lithium-Ion battery or the tool to the dustbin.

These components must be collected and recycled.

The crossed-out wheeled dustbin means that within the EU the product must be taken to separate collection at the product end-of life. This applies to your tool but also to any enhancements marked with this symbol. Do not dispose of these products as unsorted municipal waste. For further information, please contact ATEQ.

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